

# Converting Colors

XYZ(51.8411, 55.3009,  
102.5496)

Have a look what the booklet for  
XYZ(51.8411, 55.3009, 102.5496)  
contains.

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# **Color**

**XYZ(51.8411, 55.3009,  
102.5496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99C8FF
RGB	153, 200, 255
RGB Percent	60%, 78%, 100%
CMY	0.4000, 0.2157, 0.0000
CMYK	0.40, 0.22, 0.00, 0.00
HSL	212°, 100%, 80%
HSV	212°, 40%, 100%
XYZ	51.8411, 55.3009, 102.5496
YIQ	192.2170, -45.6670, 7.1410

# Conversions

## Conversions Part 2

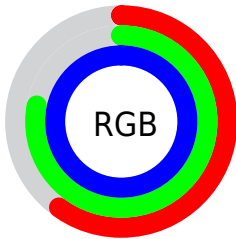
Format	Color
R <sub>Y</sub> B	153, 185, 255
Decimal	10078463
CIE Lab	79.21, -1.88, -31.88
CIE LCh	79, 31.938, 266.617
Yxy	55.3009, 0.2472, 0.2637
Android (android.graphics.Color)	4288268543 (0xFF99C8FF)
YUV	192.2170, 30.9520, -34.3933
Hunter-Lab	74.3646, -5.7019, -29.7064

# Details

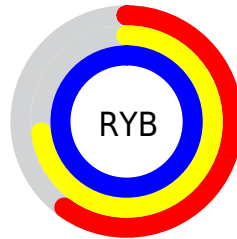
The XYZ color **51.8411, 55.3009, 102.5496** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.5461, 68.6720, 39.7283**, and the grayscale version is **50.0751, 52.6829, 57.3716**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **25.4017, 27.1764, 57.3328** is the 20% darker color. If you saturate the color by 10%, you get **44.4901, 46.9958, 101.3339**, and if you desaturate by 10%, it is **60.5101, 64.7130, 103.9094**.

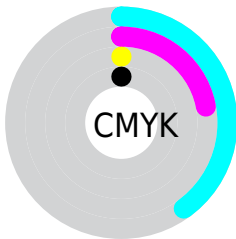
# Distribution



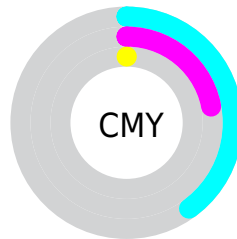
- Red (60%)
- Green (78%)
- Blue (100%)



- Red (60%)
- Yellow (73%)
- Blue (100%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8411, 55.3009, 102.5496 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.8411, 55.3009, 102.5496 by changing the saturation by 10% instead.



■ 51.8411, 55.3009,  
102.5496

■ 51.8411, 55.3009,  
102.5496

384.1569,  
407.0515, 589.6527

■ 37.1022, 39.6427,  
77.8028

■ 92.0725, 97.9817,  
166.7389

■ 25.4607, 27.2601,  
57.3965

■ 118.2956,  
125.7730, 207.0184

■ 16.5512, 17.7686,  
40.9122

149.0776,  
158.3776, 253.3127

■ 10.0083, 10.7840,  
27.9313

184.7837,  
196.1796, 306.0401

■ 5.4668, 5.9218,  
18.0353

225.7794,  
239.5637, 365.6193

■ 2.5612, 2.7976,  
10.8056

272.4299,

■ 0.9262, 1.0270,

288.9141, 432.4687

5.8238

325.1006,  
344.6152, 507.0070

■ 0.0000, 0.0000,  
2.6712

■ 0.0000, 0.0000,  
0.9289

■ 51.8411, 55.3009,  
102.5496

■ 51.8411, 55.3009,  
102.5496

■ 44.4901, 46.9958,  
101.3339

■ 60.5101, 64.7130,  
103.9094

■ 38.3786, 39.7424,  
100.2560

■ 70.5598, 75.2716,  
105.4177

■ 33.4267, 33.4892,  
99.3100

■ 82.0543, 87.0212,  
107.0798

■ 29.5416, 28.1763,  
98.4893

95.0500, 100.0000,  
108.9000

■ 26.6141, 23.7345,  
97.7862

■ 24.4704, 20.0608,  
97.1901

■ 24.4701, 20.0603,  
97.1900

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0950, 55.3009, 94.5836



51.8411, 55.3009, 102.5496



58.2535, 55.3009, 97.4135

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.8411, 55.3009, 102.5496



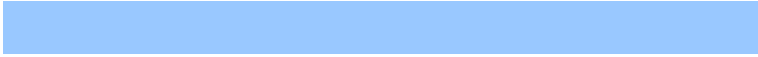
64.3133, 55.3009, 45.8007



42.9668, 55.3009, 42.8725

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.8411, 55.3009, 102.5496



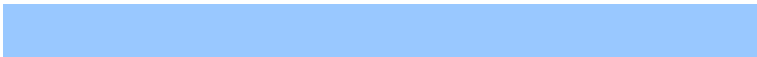
69.5461, 68.6720, 39.7283

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.2535, 55.3009, 33.9424



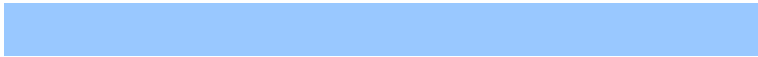
51.8411, 55.3009, 102.5496



59.6069, 55.3009, 35.3772

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8411, 55.3009, 102.5496



65.7877, 55.3009, 62.3108



53.2892, 55.3009, 31.5035

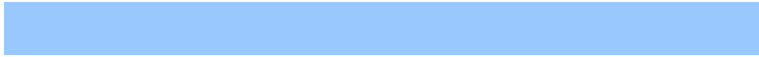


41.2392, 55.3009, 58.1633



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8411, 55.3009, 102.5496



61.9941, 55.3009, 87.7214



53.2892, 55.3009, 31.5035



44.1384, 55.3009, 39.1565

# Sweetspot

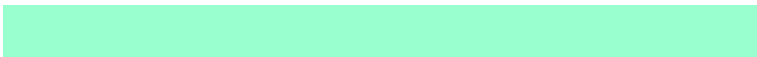
The Sweet Spot groups the original color and five complimentary colors.



51.8427, 55.3029, 102.5499



79.6350, 84.5722, 106.7346



60.2093, 82.8174, 72.1014



16.7141, 17.7655, 22.7981



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

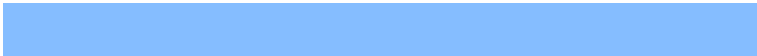


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8427, 55.3029, 102.5499



45.8578, 48.5700, 101.5657



43.2305, 37.1120, 99.4926



17.6927, 18.7571, 22.9379



12.9317, 10.7731, 50.8324



1.3669, 1.2646, 4.9853



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.0576, 48.2141, 60.6285



58.7584, 41.5999, 53.0778



81.5103, 94.4409, 44.0716



18.3576, 18.1263, 20.5001



23.3155, 11.8155, 10.3121



2.3246, 1.1722, 1.2907



# Previews

## White Background



This preview shows how the XYZ color 51.8411, 55.3009, 102.5496 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

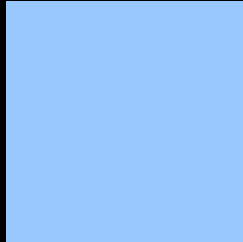
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8411, 55.3009, 102.5496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

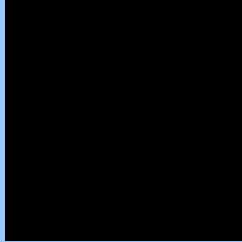
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

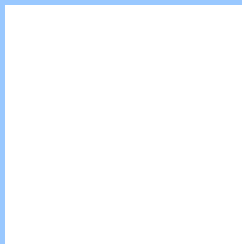
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.8411, 55.3009, 102.5496

## Background



This preview shows how black text looks on a background with the XYZ color 51.8411, 55.3009, 102.5496.



This preview shows how white text looks on a background with the XYZ color 51.8411, 55.3009,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

51.8411, 55.3009, 102.5496

### Protanopia

55.3813, 54.8658, 98.1137

### Deuteranopia

56.1910, 54.8644, 102.2360



## Tritanopia

46.9332, 55.4363, 77.3339

# Trichromacy



## Original Color

51.8411, 55.3009, 102.5496

## Protanomaly

54.1052, 55.1661, 99.8919

## Deuteranomaly

54.3597, 54.9081, 102.3410

## Tritanomaly

48.6569, 55.4221, 85.9750

# Monochromacy



## Original Color

51.8411, 55.3009, 102.5496

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

50.1409, 53.4015, 71.9548

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8411, 55.3009, 102.5496 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 200, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 200, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8411, 55.3009, 102.5496 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 200, 255) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(153, 200, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(153, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8411, 55.3009, 102.5496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 200, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
200, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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